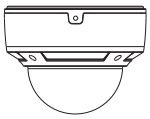


HD S Dome Camera

User Manual

Thank you for purchasing our HDS camera. Please read this manual carefully for correct use of the product and keep it for reference purposes.

Warnings and Cautions

■ Disclaimer

This manual may contain several technically incorrect places or printing errors. The updates will be added into the new version of this manual. The content is subject to change without notice.

■ Avoid Electric Shock

To prevent electric shock, do not remove screws or cover.

■ Avoid excessive moisture

Do not use strong or abrasive detergents when cleaning camera body. Clean with dry cloth or mild detergent, wiping gently.

■ Do not use camera beyond prescribed voltage range.

Only use included power supply. Ensure power input source conforms to local voltage. Voltage outside of range could cause damage or abnormal performance.

■ Termly Inspection

A few parts of the device shall be replaced regularly due to their average enduring time.

■ Never attempt to disassemble the camera privately.

It may result in internal components damaged.

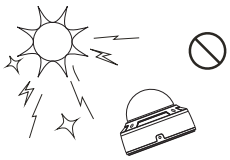
Do not place the camera in extreme hot or cold environment.

Use only under temperature conditions between -40°C and +70°C. Provide good ventilation when using in high temperature conditions.

Do not drop the camera or subject it to physical shock.

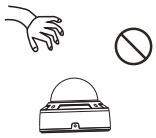
It may cause production malfunction.

Do not aim camera at sun or extra bright place.



Strong light will degrade image quality and could cause damage.

Avoid touching the camera lens.



The lens is the most important component of the camera. Be careful not to smear it with fingerprints.

Correct Disposal of This Product

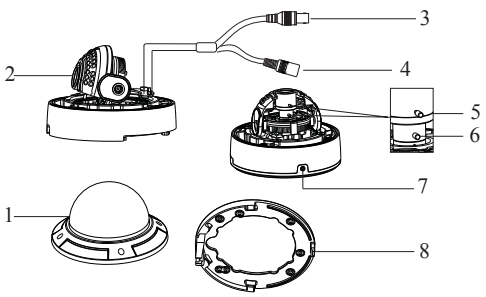
If the camera no longer functions or can no longer be repaired, it must be disposed of according to regulations reading electronic waste. By not disposing of electronic items in household waste you will not only be following the law, but contributing the protection of the environment.

Components and Accessories

Camera		Screws	
User manual		Screwdriver	
Drill Template			

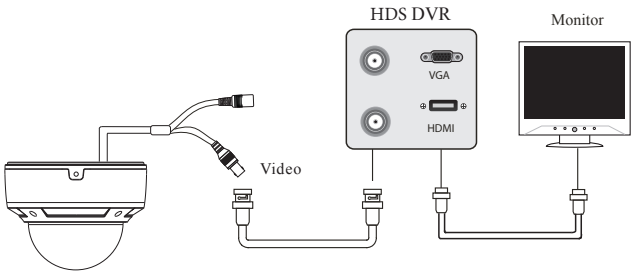
Overview

This series of cameras support prime lens and varifocal lens. If your camera is prime lens, please skip the description of zoom and focus.

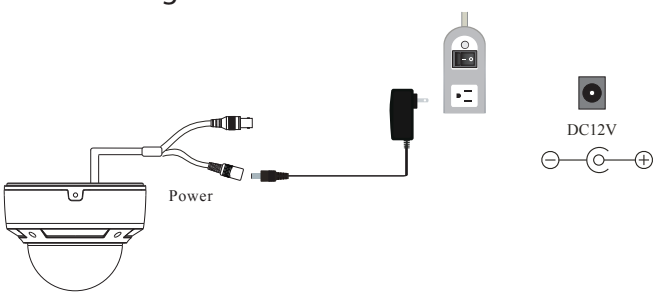


1	Lower Dome	5	Focus
2	Lens	6	Zoom
3	Video Cable	7	Lock Screw
4	Power Cable	8	Mounting Base

Connecting to Monitor



Connecting to Power



Connect the adapter to the power input connector in accordance with the camera. The recommended adapter specification for the camera is DC12V.

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Features

This series of cameras adopt the latest HDS technology and advanced circuit design, feature high definition and sensitivity, low noise and distortion and support HD video transmission with the common coaxial cable, ensuring the requirement of the HD monitoring in the traditional surveillance system.

● High Resolution

Adopt high performance HDS sensor, providing high definition and clear image, up to 720P/1080P resolution.

● High Transmission Performance

Real-time transmission with high speed and long distance.

● ICR Auto Switch

The filter will filter infrared light during the daytime and change to normal at night to ensure a high sensitivity and clear image.

● Color-B/W Auto Switch

The camera will display color image in daytime and become monochrome automatically at night.

● Auto White Balance

Adjust the color temperature according to the environment automatically.

● DNR

Reduce noise from brighteness and color signal to save storage room under low illumination condition.

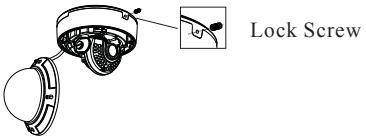
Specifications

Model	**MD1080PVF-HDS**	
Image Sensor	1 / 3" CMOS	
Pixels	1280 x 720	1920 x 1080
Signal System	PAL / NTSC	
Min. Illumination	0 Lux (LED ON)	
Lens	2.8~12mm	
IR Visible Distance	20 ~ 30m	
IP Rank	IP66	
Video Out	BNC x 1	
Resolution	1080P (1920 x 1080)	
Frame Rate	30fps (60Hz), 25fps (50Hz)	
ICR	Yes	
DNR	Yes	
S / N Ratio	> 52dB (AGC OFF)	
Electronic Shutter	1 / 50s ~ 1 / 67500s	
AGC	Yes	
White Balance	Auto White Balance	
Power	DC 12V ± 10%	
Temperature	- 40°C~70°C	
Humidity	10% ~ 90%	
Dimension (mm)	Ø150 x 114	

Installation

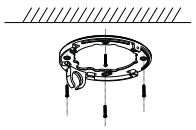
Before start, please make sure that the wall or ceiling is strong enough to withstand 3 times the weight of the camera. The mounting steps are as follows:

1. Loosen the screws to open the lower dome and then loosen the lock screw to remove the mounting base.



2. Attach the drill template to the place where you want to fix the camera and then drill 4 screw holes and 1 cable hole (if you want to route the cables through the mounting base) according to the drill template.

3. Route the cables and connect the power cable and video cable. And then secure the mounting base to the ceiling or wall with screws.



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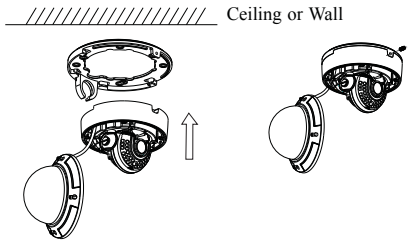
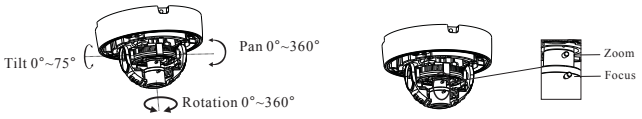
Installation

4. Fix the camera to the mounting base with the lock screw.

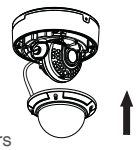


5. Three-axis adjustment. Before adjustment, preview the image of the camera on a monitor and then adjust the camera according to the figure below to get an optimum angle.

6. Adjust the Focus and Zoom screw to get a clear image (if your camera is prime lens, please skip this step).



7. Install the lower dome back to the camera with the screws and remove the protection film softly to complete the installation.



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